

PRACTICE EXERCISE JDBC

HTML

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="prod"><h1>Click here to view the products</h1></a>
<form action="list" method=get>
<h1>Enter the product id</h1><input type=number name="pid" />
</form>
</body>
</html>
```

DBCONNECTOR

```
package com;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class DBConnection {
    private Connection connection;

    public DBConnection(String dbURL, String user, String pwd) throws
ClassNotFoundException, SQLException{

        Class.forName("com.mysql.jdbc.Driver");
        this.connection = DriverManager.getConnection(dbURL, user, pwd);
    }

    public Connection getConnection(){
        return this.connection;
    }

    public void closeConnection() throws SQLException {
        if (this.connection != null)
            this.connection.close();
    }
}
```

SERVLET1 to retrieve data

```
package com;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class Jdbcervlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    // public Jdbcervlet() {
    //     super();
    //     // TODO Auto-generated constructor stub
    // }

    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        try {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            InputStream in =
getServletContext().getResourceAsStream("/WEB-INF/config.properties");
            Properties props = new Properties();
            props.load(in);

            DBConnection conn = new DBConnection(props.getProperty("url"),
props.getProperty("userid"), props.getProperty("password"));
            Statement stmt =
conn.getConnection().createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,
ResultSet.CONCUR_READ_ONLY);
            int info=Integer.parseInt(request.getParameter("pid"));
            ResultSet rst = stmt.executeQuery("select * from aa");

            while (rst.next()) {
                if(rst.getInt("id")==info){
                    out.println(rst.getInt("id") + ", " + rst.getString("Name") +
"<Br>");
                }
            }
            stmt.close();
            out.println("</body></html>");
            conn.closeConnection();
        }
    }
}
```

```

    } catch (ClassNotFoundException e) {
        e.printStackTrace();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}
}

```

SERVLET1 to Display the product list

```

package com;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class jdbcervlet2 extends HttpServlet {
    private static final long serialVersionUID = 1L;
    // public jdbcervlet2() {
    //     super();
    // }
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        try {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            InputStream in =
getServletContext().getResourceAsStream("/WEB-INF/config.properties");
            Properties props = new Properties();
            props.load(in);

            DBConnection conn = new DBConnection(props.getProperty("url"),
props.getProperty("userid"), props.getProperty("password"));
            Statement stmt =
conn.getConnection().createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,
ResultSet.CONCUR_READ_ONLY);
            ResultSet rst = stmt.executeQuery("select * from aa");
            while (rst.next()) {

```

```

        out.println(rst.getInt("id") + ", " + rst.getString("Name") +
"<Br>");
    }
    stmt.close();
    out.println("</body></html>");
    conn.closeConnection();

} catch (ClassNotFoundException e) {
    e.printStackTrace();
} catch (SQLException e) {
    e.printStackTrace();
}

}
}

```

//in the last one displays the product list which is my first output ss

Configfile

```

url=jdbc:mysql://localhost:3306/(databasename)
userid=root
password=pass

```

[Click here to view the products](#)

Enter the product id

1, laptop
1, laptop
12, Tv
2, phone

[Click here to view the products](#)

Enter the product id

12, Tv

[Click here to view the products](#)

Enter the product id

1

1, laptop
1, laptop